

a receiver that receives the downlink signal containing the tap coefficient obtained in the base station apparatus in association with the uplink signal; and

an equalizer that performs equalizing on received data contained in the downlink signal received by the receiver, while updating tap coefficients, according to an adaptive algorithm for updating the tap coefficients using, as an initial value, the tap coefficient received in said downlink signal.

C1  
2 f. (Amended) A base station apparatus for use in a radio communication system, wherein the radio communication system comprises a communication terminal apparatus that transmits an uplink signal, receives a downlink signal containing a tap coefficient, and performs equalizing on received data contained in the downlink signal while updating tap coefficients using, as an initial value, the tap coefficient transmitted in the downlink signal, the base station apparatus comprising:

a calculator that obtains said tap coefficient for use as an initial value of an adaptive algorithm employed in the communication terminal apparatus, in association with the uplink signal from the communication terminal apparatus; and

a transmitter that transmits the downlink signal containing the tap coefficient obtained by the calculator to the communication terminal apparatus.

38. (Amended) An equalizing method for use in a radio communication system comprising a base station apparatus and a communication terminal apparatus, the equalizing method comprising:

C1 operating the base station apparatus to obtain a tap coefficient in association with an uplink signal transmitted from the communication terminal apparatus; and

operating the communication terminal apparatus to receive a downlink signal containing said tap coefficient from the base station apparatus and to perform an equalizing operation on said received data while updating tap coefficients, according to an adaptive algorithm for updating the tap coefficients using, as an initial value, the tap coefficient received from said base station apparatus.

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Please add the following new claims:

C2 4-11. A communication terminal apparatus for use in a radio communication system, wherein the radio communication system comprises a base station apparatus that transmits a downlink signal

containing a tap coefficient obtained in association with an uplink signal, the communication terminal apparatus comprising:

a receiver that receives the downlink signal containing the tap coefficient obtained in the base station apparatus in association with the uplink signal; and

an equalizer that performs equalizing on received data contained in the downlink signal received by the receiver, while updating tap coefficients, using, as an initial value, the tap coefficient received in said downlink signal.

712. A base station apparatus for use in a radio communication system, wherein the radio communication system comprises a communication terminal apparatus that transmits an uplink signal, receives a downlink signal containing a tap coefficient, and performs equalizing on received data contained in the downlink signal while updating tap coefficients using, as an initial value, the tap coefficient transmitted in the downlink signal, the base station apparatus comprising:

a calculator that obtains said tap coefficient for use as an initial value of an equalizing operation employed in the communication terminal apparatus, in association with the uplink signal from the communication terminal apparatus; and

a transmitter that transmits the downlink signal containing the tap coefficient obtained by the calculator to the communication terminal apparatus.

13. A communication terminal apparatus for use in a radio communication system, wherein the radio communication system comprises a base station apparatus that transmits a downlink signal containing a tap coefficient obtained in association with an uplink signal, the communication terminal apparatus comprising:

a receiver that receives the downlink signal containing the tap coefficient obtained in the base station apparatus in association with the uplink signal; and

an equalizer that starts an equalizing operation on received data contained in the downlink signal after obtaining said tap coefficient contained in said downlink signal from said base station apparatus.--